

## The Project Place

few generalizing conclusions:

1. The Course has become a global activity. Students from all continents except Australia and North America have graduated.
2. The average publication output is more than two papers in an impacted journal, two conference communications, and about 35 citations per graduate. Of course, the distribution of scientometric hits per individual is very non-uniform.
3. In several cases, a productive long-term cooperation has developed between the Institute and the graduate's mother institution.
4. In the last seven years, 20 graduates became doctoral students at Czech universities.
5. Graduation of the Course often enhanced professional promotion in the home countries of the graduates.
6. The Course contributes to a positive image of IUPAC both inside and outside the professional community.

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 [www.iupac.org/project/2011-052-1-400](http://www.iupac.org/project/2011-052-1-400)

 [www.iupac.org/project/2013-046-1-400](http://www.iupac.org/project/2013-046-1-400)

## Nomenclature for Metallacycles Containing Transition Metals

Transition metal metallacycles are receiving increasing attention as catalysts and/or possible intermediates in organometallic catalysis. Thus, there is a steady increase of publications on such compounds, and growing interest in areas of applied chemistry, including the chemical industry. These organometallic complexes lie in the area that is not explicitly covered by the nomenclature rules for inorganic or organic compounds. Hence, there is a need to develop IUPAC recommendations for the nomenclature of this class of compounds.

Exploratory work on the nomenclature of metallacycles of the transition elements was undertaken under the auspices of the old Inorganic Nomenclature Commission in 2001 by Herb Kaesz, Jim Casey, Henri Favre, and Yohsuke Yamamoto, with subsequent input by Ebbe Nordlander. Their ideas will be reviewed and taken as a starting point for providing nomenclature recommendations for ring compounds containing elements of Groups 3 to 12 directly coordinated to carbon atoms (or perhaps Group 14 atoms in general).

After establishing appropriate definitions and outlining which kinds of compounds should or should not be named as metallacycles, naming procedures (e.g. selection of parent ring systems, determination of locants, etc.) will be developed and illustrated with relevant examples. Consideration will be given to naming cationic and anionic metallacyclic species, and the differences in naming metallacyclic compounds of the transition elements compared to main group elements will be highlighted and explored.

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 [www.iupac.org/project/2013-030-1-800](http://www.iupac.org/project/2013-030-1-800)

### Digital IUPAC

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siderable interaction with our colleagues in Chemistry, Computer Science, and Statistics in Southampton and the e-Research South Consortium (EPSRC EP/F05811X), especially UKOLN, OeRC, STFC and the DCC, and our professional society and industrial colleagues at the Royal Society of Chemistry, Microsoft Research (MSR) and IBM and of course colleagues at IUPAC especially in Division I and Commission I.1.

Jeremy Frey obtained his DPhil on experimental and theoretical aspects of van der Waals complexes, in the PCL, Oxford, followed by a NATO/SERC fellowship at the

Lawrence Berkeley Laboratory. In 1984 he took up a lectureship at the University of Southampton, where he is now Professor of Physical Chemistry. His experimental research probes molecular organization in environments from single molecules to liquid interfaces using laser spectroscopy from the IR to soft X-rays. He investigates how e-Science infrastructure can support scientific research with an emphasis on the way appropriate use of laboratory infrastructure can support the intelligent access to scientific data.

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